

杰盈通讯技术（深圳）有限公司

<http://www.jytxjs.cn>

Bandpass Filter

Features

- small size
- temperature stable
- LTCC construction

Applications

- Harmonic rejection
- Transmitters / Receivers

JY-BFCN-1052+



50Ω 9700 to 11950 MHz

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	9700-11950	-	10770	-	MHzd
	Insertion Loss	9700-11950	-	1.6	3.0	B
Stop Band, Lower	Insertion Loss	DC-8100	30	38	-	dB
		8100-8400	20	32	-	dB
Stop Band, Upper	Insertion Loss	14000-28500	20	28	-	dB
		28500-44000	-	25	-	dB

Maximum Ratings

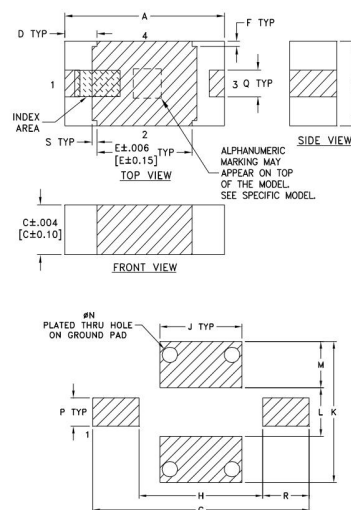
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	2W .at 25°C

*Passband rating, derate linearly to 0.5W at 100°C ambient
Permanent damage may occur if any of these limits are exceeded.

Pin Connections

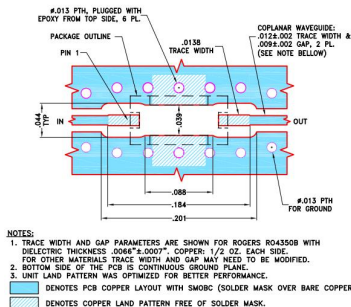
RF IN	1
RF OUT	3
GROUND	2

Outline Drawing

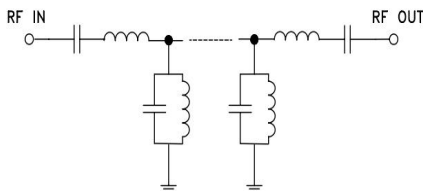


Suggested Layout,
Tolerance to be within $\pm .002$

Suggested PCB Layout



Functional Schematic



Outline Dimensions (inch mm)

A	B	C	D	E	F	G	H	J
.126	.063	.037	.026	.075	.004	.182	.104	.069
3.20	1.60	0.94	0.66	1.91	0.10	4.62	2.64	1.753
K	L	M	N	P	Q	R	S	wt
0.119	0.041	.039	.013	.024	.020	.039	.004	grams
3.023	1.041	0.99	0.33	0.61	0.51	0.99	0.10	.020